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#4

SEQUENCE LISTING

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AVERY, DOUGLAS P.

<120> AUTOMATED METHOD OF IDENTIFYING AND ARCHIVING NUCLEIC ACID SEQUENCES

<130> RICD-00-21

<140> 09/961,058
<141> 2001-09-24

<150> 60/235,899
<151> 2000-09-28

<160> 16

<170> PatentIn Ver. 2.1

<210> 1
<211> 404
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Comparative DNA sequence

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<222> (71)
<223> a, t, c or g

<220>
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<222> (142)
<223> a, t, c or g

<220>
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<222> (224)..(225)
<223> a, t, c or g

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<222> (237)
<223> a, t, c or g

<220>
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<222> (289)
<223> a, t, c or g

<220>
<221> modified_base
<222> (297)

<223> a, t, c or g

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<222> (301)
<223> a, t, c or g

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<222> (323)
<223> a, t, c or g

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<222> (350)
<223> a, t, c or g

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<222> (357)
<223> a, t, c or g

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tcgctgcgta ncctggcgtt gggattggtg actctgatgg ccagctgtgc tgctctttct 120
acaatggctt ttcagttctt anaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180
ttgcacatca gcagcacctc cagctccttg acattgtgga ccannaactt gcggaanccg 240
ctgggcagca tgtgcttggt tttcttgttg ctcccacaac cgaagtttng gcatcangat 300
ntggcccttg aaccttctcc ccnnctgttg tcnatgcctc tgggtttccn catttcnctt 360
aatttcccat atcggtctga cttaattttc acatatcggt ctga 404

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<212> DNA
<213> Mus musculus

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tcgctgcgta gcctggcgtt gggattggtg actctgatgg ccagctgtgc tgctctttct 120
acaatggctt ttcggttctt agaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180
ttgcacatca gcagcacctc cagctccttg acattgtgga ccaggaactt gcggaagccg 240
ctgggcagca tgtgcttggt tttcttgttg ctcccataac cgatgttggg catcaggatc 300
tggcccttga accttctccg caccctgttg tcaatgcctc tgggtttccg ccagtttcgc 360
ttaattttca catatcggtc tga 383

<210> 3
<211> 349
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Comparative DNA sequence

<220>
<221> modified_base
<222> (71)
<223> a, t, c or g

<220>
<221> modified_base
<222> (142)
<223> a, t, c or g

<220>
<221> modified_base
<222> (224)..(225)
<223> a, t, c or g

<220>
<221> modified_base
<222> (237)
<223> a, t, c or g

<220>
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<222> (289)
<223> a, t, c or g

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<222> (297)
<223> a, t, c or g

<220>
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<223> a, t, c or g

<220>
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<223> a, t, c or g

<220>
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<223> a, t, c or g

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tcgctgcgta ncctggcgtt gggattggtg actctgatgg ccagctgtgc tgctctttct 120
acaatggctt ttcagttctt anaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180
ttgcacatca gcagcacctc cagctccttg acattgtgga ccannaactt gcggaanccg 240
ctgggcagca tgtgcttggt tttcttgttg ctcccacaac cgaagtttng gcatcangat 300
ntggcccttg aaccttctcc ccnnctgttg tcnatgcctc tgggtttcc 349

<210> 4
<211> 349
<212> DNA
<213> Rattus sp.

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tcgctgcgta gcctggcgtt gggattggtg actctgatgg ccagctgtgc tgctctttct 120
acgatggctt ttcggttctt agaggacaca ttgtgagcaa tctcagcaca gtaagatttg 180
ttgcacatca gcagcacttc cagctccttg acattgtgga ccagaaactt ccggaagccg 240
ctaggcagca tgtgcttggt tttcttgtta ctcccgtaac caatgttggg catcaggatc 300
tggcccttga atcttctccg caccctgttg tcgatgcctc tgggtttcc 349

<210> 5
<211> 103
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illustrative DNA sequence

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acataaaaca tgcacacaag ccatctactc attttcttcg ctg 103

<210> 6
<211> 20
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 6
agcggccgcc cgggcaggtc 20

<210> 7
<211> 20
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 7
acctcggccg cgaccacgct 20

<210> 8
<211> 33
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 8
ttactagtgg atccgagctc ggtaccaagc ttc 33

<210> 9
<211> 20
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 9
agcgtggtcg cggccgaggt 20

<210> 10
<211> 20
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

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acctgcccgg gcggccgctc 20

<210> 11
<211> 33
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 11
cacactggcg gccgctcgag catgcatcta gag 33

<210> 12
<211> 19
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 12
agcggccgcc cgggcaggt 19

<210> 13
<211> 19
<212> DNA

<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Adapter sequence

<400> 13
acctgcccgg gcggccgct 19

<210> 14
<211> 624
<212> DNA
<213> Unknown Organism

<220>
<223> Description of Unknown Organism: Illustrative DNA sequence

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<222> (434)
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<222> (560)
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<222> (613)
<223> a, t, c or g

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agaaagacct agaaggttgt agatgggaaa tcaggaatga tttgaactga taaagatttc 120
ggactcataa gaacacattt tataaatgtt aaacacaaaa actacatgac tgaagataga 180
agagaatgcg atggatttta ttacacatgg tggaagagag aagaggcgtg taggtttgca 240
aacaaagtta agaaatagga aactgaattt ttcattgtac agaaaatgta tctcttgggg 300
aaggcctgtg tacctgcccg ggcggccgct cgaaattcca gcacactggc ggccgttact 360
agtggatccc anctcggtac caagcttggg gttatcatgg tcntaanctg tttcctgtgt 420

gaaattgtta tccncncccc attccccccc acnttccaac ccgaaacctt aaatttttaa 480
ccnggggtgc cnaatgaatn acccaccccn ttattgcttt gccncctgcc ccttccntcg 540
gaaccntctn cccctctttn taaaccgccn ccccnggaaa gcgtttcttt tggcccctcc 600
cctccccctc ctnatcctgc ccct 624

<210> 15
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 15
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<210> 16
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 16
ttcgaaccat ggctcgagcc 20